

SYLLABUS

1. Information regarding the programme

1.1 Higher education institution	Babeş-Bolyai University of Cluj-Napoca
1.2 Faculty	Faculty of Environmental Science and Engineering
1.3 Department	Department of Environmental Analysis and Engineering
1.4 Field of study	Environmental Engineering
1.5 Cycle of studies	Bachelor
1.6 Study Programme / Qualification	Environmental Engineering

2. Information regarding the discipline

2.1 Name of the discipline	Basics of emergencies						
2.2 Course coordinator	CS III dr. Camelia Botezan						
2.3 Seminar coordinator	CS III dr. Camelia Botezan						
2.4 Year of study	4	2.5 Semester	8	2.6. Type of evaluation	C	2.7 Type of discipline	Opt.

3. Total estimated time (hours per semester of didactic activities)

3.1 Hours per week	4	Of which: 3.2 course	2	3.3 Seminar/laboratory	2
3.4 Total hours in the curriculum	56	Of which: 3.5 course	28	3.6 Seminar/Laboratory	28
Time allotment:					Hours
Learning using manual, course support, bibliography, course notes					12
Additional documentation (in libraries, on electronic platforms, field documentation)					12
Preparation for seminars/labs, homework, papers, portfolios and essays					16
Tutorship					0
Evaluations					2
Other activities:					0
3.7 Total individual study hours	42				
3.8 Total hours per semester	98				
3.9 Number of ECTS credits	4				

4. Preconditions (if necessary)

4.1 Curriculum	•
4.2 Competences	• use of the computer;

5. Conditions (if necessary)

5.1. for the course	• requires digital projector and laptop
5.2. for the seminar /lab activities	• requires digital projector and laptop

6. Specific competencies acquired

Professional competencies	• emergency management skills • emergency preparedness • analysis and investigation of emergency situations • decision making • knowledge of the processes associated with risk reduction and emergency planning
Transversal competencies	• acquiring the knowledge of preparing a research project; • teamwork; • Critical thinking

7. Objectives of the discipline (outcome of the acquired competencies)

7.1 General objective of the discipline	• developing a theoretical and practical basis in the field of emergency management
7.2 Specific objectives	• acquiring general knowledge related to emergency management; • detailed knowledge of the content, meaning, and problems of the emergency management system; • acquiring general knowledge related to national and European legislation regarding risk and emergency management; • studying the elements necessary for drawing up internal and external emergency plans; • acquiring the ability to analyze and make decisions regarding prevention, reduction, or response measures.

8. Content

8.1 Course	Teaching methods	Remarks
1. Introduction, definitions: hazard, risk, vulnerability. The evolution of disasters.	lecture, interactive discussions	
2. Introduction, definitions, and terms used in emergency management.	lecture, interactive discussions	
3. The history of civil protection in Romania.	lecture, interactive discussions	
4. National Emergency Management System – presentation, structure, attributions of ministries.	lecture, interactive discussions	
5. Legislative aspects in the field of emergency management	lecture, interactive discussions	
6. Actors involved in emergency management	lecture, interactive discussions	
7. Non-structural risk reduction measures in emergency management	lecture, interactive discussions	
8. Structural risk reduction measures in emergency management	lecture, interactive discussions	
9. Prevention and Emergency Preparedness	lecture, interactive discussions	

10. Plans, reports, and programs in the field of emergency management	lecture, interactive discussions	
11. Emergency response	lecture, interactive discussions	
12. Recovery/recovery stage after an emergency	lecture, interactive discussions	
13. Volunteering in emergency management	lecture, interactive discussions	
14. Recapitulation of concepts and concepts	Interactive discussions	

Bibliography

1. Bâldea, M. – Răspuns la urgențe: planificare, coordonare, comunicare, Editura Reprograph, Craiova, 2006
2. Walker, G., Simmons, P., Irwin, A., Wynne, B., - Risk communication, public participation and the Seveso II Directive, Journal of Hazardous Materials, Volume 65, Issues 1-2 , 1 March 1999, Pages 179-19
3. Lege nr. 481 din 08/11/2004 privind protecția civilă.
4. Norma metodologică din 16/05/2005 privind elaborarea planurilor de urgență în caz de accidente în care sunt implicate substanțe periculoase.
5. Ordonanță nr.88 din 30 august 2001 privind înființarea, organizarea și funcționarea serviciilor publice comunitare pentru situații de urgență.
6. Renn, O., (2009), Risk Communication: Insights and Requirements for Designing Successful Communication Programs on Health and Environmental Hazards, în Handbook of risk and crisis communication/Robert L.Heath and H.Dan O’Hair, editors.—1st ed.
7. Hotărâre nr. 308 din 09/05/1995 privind organizarea și funcționarea activității de pregătire în domeniul apărării civile
8. ISDR (2004), Living with Risk: A global review of disaster reduction initiatives, International Secretariat for Disaster Reduction, Geneva
9. Course Material

8.2 Seminar / laboratory	Teaching methods	Remarks
1. Presentation of the specific theme, bibliography and content of individual work projects.	lecture, interactive discussions	
2. Organization of the intervention – scenario: floods	interactive discussions, brainstorming	
3. Organization of evacuation – scenario: floods	interactive discussions, brainstorming	
4. Organization of the evacuation – exercise: organization of a refugee camp	interactive discussions, brainstorming	
5, 6. Organization of notification, alarm, intervention, and evacuation – scenario: chemical accident.	interactive discussions, brainstorming	
7. Risk reduction methods.	interactive discussions, brainstorming	
8. Prioritization of risk reduction options.	interactive discussions, brainstorming	
9, 10 Public information and communication – practical exercises.	interactive discussions, brainstorming	
11, 12. How to intervene and respond in case of an emergency (case studies).	interactive discussions, brainstorming	

13, 14. Individual project.		- Presentation of projects
Bibliography 1. Covello, V.T. "Trust and Credibility in Risk Communication", Health and Environment Digest, April 1992, 6 (1), pp. 1-3. 2. Michael Regester, Judy Larkin, "Managementul crizelor și al situațiilor de risc", Ed.Comunicare Ro, București, 2003. 3. H. G. 1492/2004 privind principiile de organizare, funcționare și atribuțiile serviciilor de urgență profesionale. 4. Ordinul nr. 638/420 din 2005 al M. A. I. /M. M. G. A. pentru aprobarea Regulamentului privind gestionarea situațiilor de urgență generate de inundații, fenomene meteorologice periculoase, accidente la construcții hidrotehnice și poluări accidentale. 5. Hotărâre nr. 548 din 21/05/2008 privind aprobarea Strategiei naționale de comunicare și informare publică pentru situații de urgență 6. Hotărâre nr. 2288 din 09/12/2004 pentru aprobarea repartizării principalelor funcții de sprijin pe care le asigură ministerele, celelalte organe centrale și organizațiile neguvernamentale privind prevenirea și gestionarea situațiilor de urgență 7. Ordinului Ministrului Administrației și Internelor nr. 718/2005 pentru aprobarea Criteriilor de performanță privind structura organizatorică și dotarea serviciilor voluntare pentru situații de urgență 8. Ordinul Ministrului Administrației și Internelor nr. 712/2005 privind instruirea salariaților în domeniul situațiilor de urgență, modificat și completat prin OMAI nr.786/2005 9. ORDIN nr. 673 din 9 decembrie 2008 al ministrului internelor și reformei administrative privind pregătirea în domeniul situațiilor de urgență a reprezentanților instituțiilor prefectului și a personalului cu funcții de conducere din administrația publică locală, în perioada 2009-2012		

9. Corroborating the content of the discipline with the expectations of the epistemic community, professional associations, and representative employers within the field of the program

• Through the practical nature of the professional knowledge acquired, graduates can be a link between companies and local, national, governmental, and non-governmental authorities, be specialists who reduce or eliminate the consequences of an emergency • Graduates can work in the Inspectorates for Emergency Situations

10. Evaluation

Type of activity	10.1 Evaluation criteria	10.2 Evaluation methods	10.3 Weight of the final grade
10.4 Course	The correctness of the answers given	Colloquium	65%
	Active participation during courses	Active involvement scoring along the way	10%
10.5 Seminar/laboratory	Active participation during seminars	Active involvement scoring along the way	10%
	The correctness of the project; the general appearance of the project; accuracy in presentation; the correctness of the answers given to the questions;	Final project (oral presentation)	15%
10.6 Minimum performance standards			
• Promotion of the project is mandatory: minimum grade 5 • passing the exam: minimum grade 5 in the project and minimum grade 5 in the written exam.			

7.07.2024

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